

# Tanaka PROFESSIONAL CUTTING HEADS

Owner's Manual  
(#29592 - Page 1)

**FIXED LINE**  
ITEM NUMBER  
746280



Aluminum  
Cutting Heads



**MANUAL FEED**  
ITEM NUMBER  
746290

## Safety Instructions

- 1.) \*Warning! Read this owners manual as well as the owners manual supplied with your grass trimmer. Be sure to follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.
- 2.) Wear eye protection that complies with ANSI Z87-1 standard.
- 3.) Do not operate this or any type of power equipment when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- 4.) Always wear heavy long pants, boots, and gloves. Do not wear loose clothing, short pants, sandals, or go bare foot. Secure hair so it is above shoulder level.
- 5.) Inspect unit before each use. Replace parts that may be cracked, chipped, or damaged in any way. Make sure the cutting head is properly installed and securely fastened. Be sure the cutting attachment shield is properly attached in the position recommended by the manufacturer.
- 6.) Clear the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the cutting head. Clear the area of children, bystanders, and pets in a 50 foot (15m) radius. It is recommended that bystanders wear eye protection. If you are approached, stop the engine and cutting attachment immediately.

## Installation

The Aluminum Cutting Heads are designed for use on **straight shaft Grass Trimmers** and they are mounted to the unit in the same manner. Typically, the gear case has a separate piece or cover which includes a mounting shoulder on which blades are held and centered.

**WARNING!**  
These heads are **NOT RECOMMENDED** for use on units without a mounting shoulder



## Installation (continued)

This shoulder is necessary to mount these heads securely and in the proper position. The diameter of many mounting shoulders is 1" (25.4mm) and both heads require this size. For mounting shoulder diameters that are .79" (20mm), a special shim is included in the package contents to provide the necessary spacing.

A variety of adapters are provided to accommodate mounting to Tanaka as well as other units (see sizes listed below). To mount the "Fixed Line" head, (Ref. 1), place the recessed side on to the mounting shoulder of the gear case. When using the 8mm nut, always use the 10mm washer.

The "Manual Feed" head is mounted in the same manner, except that the "Cutter Holder" (Ref. 2-4 show below) must always be used as shown in Ref. 2A & 2B.



### Aluminum Cutting Head Mounting Hardware

#### 746280 / Fixed Line



Ref.#	Part No.	Description
1-2	312-33386-20	Adapter Bolt (8mm x 1.25 LHM)
1-3	313-38100-20	Adapter Nut (10mm x 1.25 LHF)
1-4	27288	Mounting Shim (20mm to 1")
1-5	992-01100-011	Washer (10mm)

#### 746290 / Manual Feed



Ref.#	Part No.	Description
2-1	312-33386-20	Adapter Bolt (8mm x 1.25 LHM)
2-2	313-38100-20	Adapter Nut (10mm x 1.25 LHF)
2-3	27288	Mounting Shim (20mm to 1")
2-4	311-37300-203	Cutter Holder

# Tanaka PROFESSIONAL CUTTING HEADS

## Aluminum Cutting Heads Nylon Line Replacement

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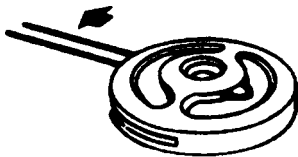
**FIXED LINE**  
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- This head is designed to accommodate nylon line with a diameter of .095" - .130". The pre-cut lengths included in the package are 14" which will provide a total cutting swath diameter of approximately 13". However this length can be longer (or shorter) depending on the following factors:
  - The diameter of line being used
  - The unit's power
  - The desired cutting speed
  - The desired total cutting swath diameter.

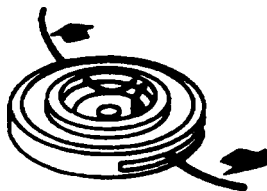
- Fold a pre-cut length of line in half.



- On the gear case facing side of the head, insert the two ends of the folded line in to the two holes (just above the Tanaka logo) and pull them completely through the underside evenly.



- From the opposite side of the head, feed the lines through the holes located on the side of the head and pull until they are totally extended



**MANUAL FEED**  
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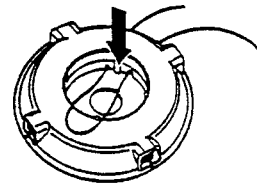


- This head is designed to accommodate nylon line with a diameter of .095" - .105" and can hold up 15' (total length). The cutting swath (determined by the length of the line exiting the head from each side) is variable depending on the following:
  - The diameter of line being used
  - The unit's power
  - The desired cutting speed

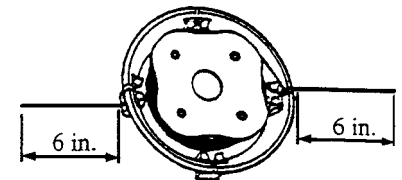
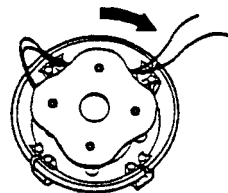
- Fold a pre-cut length of line with one side slightly longer than the other (as shown below).





- On the ground facing side of the head, insert the two ends of the folded line in to the two holes and pull them completely through (as shown below).



- Wind both lengths of line together in either direction until 8-10" remain. Insert the shortest line into the nearest exit hole slot then wind the remaining line to the slot on the opposite side. More line can be extended (in increments of 3") by unwinding both lines to next exit hole. The total line length (to extend from each side) will be subject to the factors listed above, however a good starting length could be 6".



### TANAKA OFFERS OTHER HIGH QUALITY CUTTING HEADS

Fully Automatic		Semi- Automatic	Manual Feed
<b>The Original BRAIN®</b>	<b>The BRAIN® 2000</b>		
Order # 746251 Std. Line Diameter: .095" Line Capacity: 30ft. / 9.1m	Order # 746751 Std. Line Diameter: .095" Line Capacity: 20ft. / 6.7m	Order # 746451 Std. Line Diameter: .095" Line Capacity: 25 ft. / 7.6m	Order # 746551 Std. Line Diameter: .095" Line Capacity: 25ft / 7.6 m